

PRECIJET

Precise and repeatable micro-dispensing



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PreciJet Jetting Systems - Valve

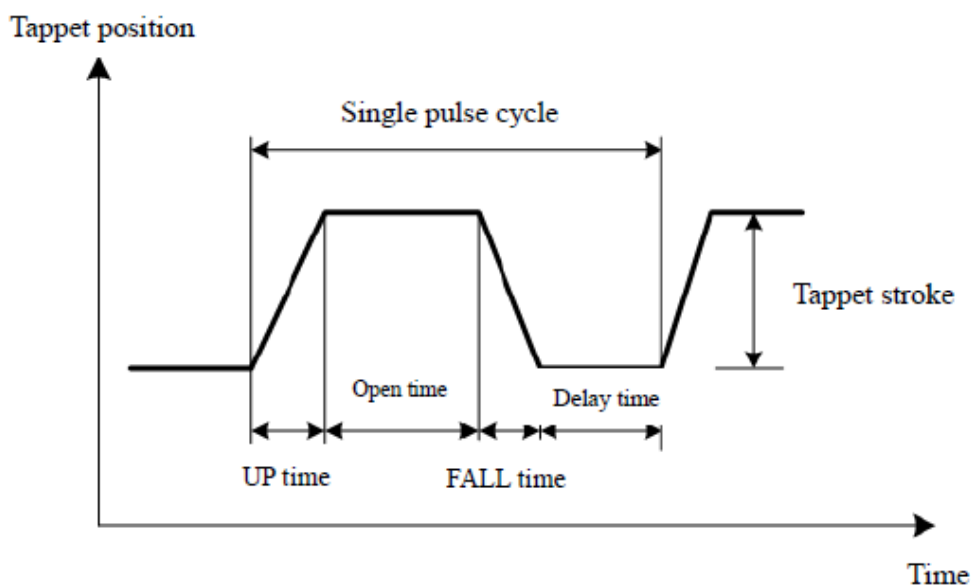
- Improves the repeatability of dosing from one valve to another and after maintenance.
- Maintains consistency of deposits, regardless of environmental conditions.
- Enhances jetting performance for a wide range of applications.
- Facilitates installation and programming at the dispensing point.

Presentation

Applications :

The PRECIJET jetting system is particularly suited for tasks requiring high precision and dosing flexibility. Its design and features enable efficient use in various industrial environments, especially where space is limited and frequent adjustments are necessary.

In summary, the PRECIJET combines innovation, precision, and ease of use, thus meeting the needs of modern industries for non-contact dosing.



The PreciJet dosing system represents a major technological advancement in the field of non-contact dosing systems, utilizing a proven piezoelectric actuator to ensure optimal performance. Here is a detailed overview of the features and benefits of this system:

Innovative valve design:

- New design: Ensures maximum performance, high productivity, and precise dosing results with consistent and reproducible quantities.
- Preci-Adjust: Allows quick and comfortable adjustment of the plunger and nozzle insert from the top, improving ergonomics and ease of use.

Adjustability flexibility:

- On-the-fly parameter modification: Settings can be quickly adjusted to adapt to changing conditions such as variations in product viscosity and different dosing configurations.
- Adaptability: The system immediately adjusts to new dosing volumes and distribution patterns.

Compact and lightweight design:

- Rotary fluid supply: Provides great flexibility in distribution orientation.
- Easy integration: The valve's compactness and light weight facilitate integration into tight or hard-to-reach spaces.

Simplified maintenance:

- Free pairing: The system allows free combination of the nozzle insert and plunger.
- Easy replacement: The plunger can be replaced without moving the valve from its operating position, thus avoiding downtime and complicated replacements.

Temperature and pressure control:

- Integrated heating: The nozzle is equipped with an integrated heating system that maintains an optimal temperature, ensuring consistent dosing quality.
- Consistent quality: Continuous monitoring of temperature and pressure ensures uniform dosing quality until the cartridge or reservoir is empty.

Characteristics

Dimensions	125.54020mm (without flow channel assembly) 125.57520mm (with flow channel assembly)
Weight	430g
Maximum fluid pressure	0,1 ~ 8 Bar
Viscosity	Medium or high viscosity up to 300,000 m.pas
Maximum jet frequency	1200Hz
Operating temperature range	10 ~ 50°C
Corrosion resistance	All aqueous media, organic solvents, weak acids, and weak bases

PreciJet Jetting Systems - Controller

Characteristics

AC Power Input	AC 220V±20%
Pulse Parameters and Resolution	0.01ms~6000.00ms, 0.01ms
Glue Dot Frequency	1~1200HZ
Displayed Parameters and Settings	TFT Color Screen
Parameter Memory	10 groups
Reserved Interface	Support for RS232 / RS485 standard MODBUS RTU Protoco
Weight	3.55KG
Dimensions	232x170×165mm
Power	275W



Precifluid Dispensing is a European company specializing in fluid dispensing, contributing to the development of industrial sectors.

With its expertise, proficiency, and R&D potential, Precifluid Dispensing provides its clients with high-performance and durable technology aimed at optimizing their production and operation chains.

Our Associated Services

In addition to manufacturing dispensing equipment, we provide a full range of commissioning and maintenance services. We support our clients in all their industrial processes:

- Engineering
- Procurement
- Maintenance



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